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Water Supply Outlook For Nevada

RESERVE



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
Oct. 1, 1983

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: FRESH POWDER SNOW ON ELEPHANT MOUNTAIN, NEAR WEST FORK OF HYALITE CREEK, MONTANA

Published by Soil Conservation Service

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.




WATER SUPPLY OUTLOOK FOR NEVADA

**AND
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**

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ALL AVERAGES ARE FOR 1963-77

DATA ARE PROVISIONAL AND SUBJECT TO REVISION

WATER SUPPLY OUTLOOK FOR NEVADA

The 1983 water year will be remembered as the Big Snow Year. It began with almost no fall season, continued into an extended winter, with a short spring and summer season.

The snow pack began accumulating early with the first snow on Mt. Rose in mid-September. Mt. Rose Ski Area was open for skiing on Nevada Day, October 31. Many ski areas were open for Thanksgiving. Skiing continued at Alpine Meadows through July 4. Melting did not begin until mid-May at the upper elevations--a delay of almost two months. The storms of 1983 were frequent and record snow depths and water contents ranged from 200 to 250 percent of average.

Streamflows remained above average for the year, with peak flow dates delayed approximately two months. Reports by the USGS indicate that many Nevada streams have been above average for the past 14 months. During the April-July period, streamflows in the Sierra were approximately 250% of average, while the Humboldt was near 275% of average. Snowmelt runoff caused considerable damage to roads, and serious gully erosion occurred on the rangelands across the state. Saturated soil conditions and avalanches caused many landslides throughout the northern part of the state. Runoff during the season caused excess water in the Humboldt Sink flooding adjacent farmland. Lahontan Reservoir filled with water going over the spillway causing flooding conditions downstream from the reservoir.

The seven major reservoirs used for irrigation in Nevada now contain 1,196,000 acre-feet of water as compared to 1,172,000 acre-feet in October 1982. This year's total is 152% of average for this time of year. Lake Tahoe's elevation is 6,228.3 feet above sea level as compared to last year's 6228.41 feet.

A comparison is shown for the Tahoe-Truckee Basins for the past nine years.

TAHOE-TRUCKEE BASIN

Year	Percent Snow Water as of April 1	Truckee River at Farad April 1-July 31 (1,000 acre-feet)	Lake Tahoe Stage Rise in Feet* April 1 to High Elev.	Reservoir Storage** (1,000 acre-feet) April 1 October 1	
1983	207	712	3.52	799	876
1982	149	409	2.38	783	901
1981	60	95	.54	553	295
1980	134	355	1.86	458	604
1979	87	177	1.13	237	215
1978	128	318	1.37	188	253
1977	33	51	.31	208	42
1976	47	59	.21	668	398
1975	158	367	1.92	756	785
1963-77 Average	100	273	1.42	653***	626***

* One foot of rise equals approximately 120,000 acre-feet.

** Total of useable storage in Lake Tahoe, Boca, Stampede and Prosser Reservoirs.

*** Stampede and Prosser Reservoirs have 7 and 14-year averages, respectively, included in this total.

Lake Tahoe useable storage is between the elevations of 6,223.0 and 6,229.1 feet. The October 1 level was 6228.3 feet. The high elevations attained each year since 1975 are:

July 8, 1983 - 6,228.95 feet
 June 24, 1982 - 6,228.98 feet
 June 8, 1981 - 6,226.53 feet
 July 20, 1980 - 6,227.32 feet
 June 11, 1979 - 6,225.15 feet
 June 11, 1978 - 6,225.20 feet
 June 11, 1977 - 6,224.22 feet
 May 23, 1976 - 6,227.04 feet
 July 16, 1975 - 6,228.60 feet

APRIL - JULY 1983
NEVADA STREAMFLOW FORECASTS
AND
OBSERVED STREAMFLOW

The following table contains April-July forecasts made during the past winter. Observed streamflow quantities are provisional as furnished by the U.S. Geological Survey.

FORECAST STREAMS	APRIL-JULY STREAMFLOW (1,000 acre-feet)						
	FORECAST				OBSERVED	AVERAGE	OBSERVED
	Feb 1 1983	May 1 1983	Apr 1 1983	May 1 1983	1983	1963-77	1983 as % of 15-year average
TRUCKEE RIVER							
Little Truckee above Boca, CA <u>1/</u>	135	140	181	195	238	87	274
Truckee River at Farad, CA <u>1/</u>	400	410	550	600	712	273	261
Lake Tahoe Rise, CA <u>3/</u>	2.10	2.30	2.80	3.3	3.52	1.42	248
CARSON RIVER							
E. Carson nr Gardnerville, NV	250	280	355	380	408	187	218
E. Carson nr Gardnerville, NV (Date of 200 cfs flow)	---	---	8/23	9/4	10/1	7/24	---
(Date of 500 cfs flow)	---	---	7/30	8/10	8/16	6/28	---
W. Carson at Woodfords, CA	75	80	105	110	131	53	247
Carson nr Carson City, NV	270	315	390	430	530	183	290
Carson nr Ft. Churchill, NV	250	285	365	415	513	167	307
WALKER RIVER							
E. Walker nr Bridgeport, CA <u>2/</u>	120	135	175	175	181	69	262
W. Walker below Little Walker nr Coleville, CA	220	260	318	318	282	146	193
HUMBOLDT RIVER							
Humboldt R. at Palisade, NV	350	400	500	500	604	221	273

1/ Corrected for storage above station.

2/ April-August flow, corrected for storage.

3/ Maximum rise in feet from April 1, assuming gates closed.

RESERVOIR STORAGE STATUS
October 1, 1983

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1,000 acre-feet)	USABLE STORAGE (1,000 acre-feet)			
						15-Year Average
			1983	1982	1981	1963-77
Owyhee	Wild Horse	72	56	54	23	28
Lower Humboldt	Rye Patch	194	181	143	70	109
Colorado	Mohave	1,810	1,600	1,419	1,475	1,413
Colorado	Mead	26,159	25,658	22,773	21,873	17,248
Tahoe	Tahoe	732	646	661	183	456
Truckee	Boca	41	35	34	28	20
Truckee	Prosser	30*	<u>1/</u>	21	13	14**
Truckee	Stampede	220	194	185	71	136**
Carson	Lahontan	295	199	199	44	138
W. Walker	Topaz	59	45	46	7	19
E. Walker	Bridgeport	42	34	35	3	16

* Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

** Prosser storage began 1/30/63; Stampede storage began 8/1/69.

1/ Prosser was drained for Fish and Game purpose.

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT RECORD			PAST RECORD
		PERIOD OF MEASUREMENT	ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/82	ACCUM. PRECIP. PREVIOUS YEAR
TAHOE-TRUCKEE					
Big Meadows	8,300	5/01/83 - 5/31/83	0.8	49.3	48.6
		6/01/83 - 6/30/83	0.8	50.1	53.6
		7/01/83 - 7/31/83	0.0	50.1	54.0
		8/01/83 - 8/31/83	3.1	53.2	54.4
		9/01/83 - 9/30/83	1.5	54.7	59.8
Echo Peak (CA)	7,900	5/01/83 - 5/31/83	0.0	81.7	81.5
		6/01/83 - 6/30/83	0.3	82.0	83.3
		7/01/83 - 7/31/83	0.3	82.3	83.8
		8/01/83 - 8/31/83	1.3	83.6	85.4
		9/01/83 - 9/30/83	1.4	85.0	91.1
Fallen Leaf (CA)	6,240	5/01/83 - 5/31/83	0.0	45.6	56.1
		6/01/83 - 6/30/83	0.4	46.0	57.0
		7/01/83 - 7/31/83	0.0	46.0	57.2
		8/01/83 - 8/31/83	0.8	46.8	57.8
		9/01/83 - 9/30/83	1.3	48.1	61.9
Hagan's Meadow (CA)	8,000	5/01/83 - 5/31/83	1.3	40.2	48.6
		6/01/83 - 6/30/83	1.3	41.5	49.5
		7/01/83 - 7/31/83	0.0	41.5	49.9
		8/01/83 - 8/31/83	0.9	42.4	50.4
		9/01/83 - 9/30/83	2.0	44.4	52.1
Heavenly Valley (CA)	8,800	5/01/83 - 5/31/83	1.3	50.5	46.4
		6/01/83 - 6/30/83	0.8	51.3	48.2
		7/01/83 - 7/31/83	0.6	51.9	48.7
		8/01/83 - 8/31/83	6.0	57.9	49.2
		9/01/83 - 9/30/83	2.1	60.0	52.4
Independence Camp (CA)	7,000	5/01/83 - 5/31/83	1.3	51.5	65.7
		6/01/83 - 6/30/83	0.9	52.4	66.4
		7/01/83 - 7/31/83	0.4	52.6	67.1
		8/01/83 - 8/31/83	1.0	53.6	67.2
		9/01/83 - 9/30/83	2.0	55.6	72.2
Independence Creek (CA)	6,500	5/01/83 - 5/31/83	0.9	51.5	61.6
		6/01/83 - 6/30/83	1.3	52.8	62.1
		7/01/83 - 7/31/83	0.0	52.0	62.4
		8/01/83 - 8/31/83	1.6	54.4	62.5
		9/01/83 - 9/30/83	2.4	56.8	66.7
Independence Lake (CA)	8,450	5/01/83 - 5/31/83	0.7	69.5	75.2
		6/01/83 - 6/30/83	1.2	70.7	76.7
		7/01/83 - 7/31/83	1.0	71.7	77.2
		8/01/83 - 8/31/83	2.3	74.0	77.5
		9/01/83 - 9/30/83	1.1	75.1	83.5
Marlette Lake	8,000	5/01/83 - 5/31/83	0.6	53.4	50.4
		6/01/83 - 6/30/83	0.6	54.0	53.7
		7/01/83 - 7/31/83	0.2	54.2	53.8
		8/01/83 - 8/31/83	2.3	56.5	54.1
		9/01/83 - 9/30/83	2.9	59.4	59.7
Mt. Rose	9,000	5/01/83 - 5/31/83	---	49.4	50.4
		6/01/83 - 6/30/83	1.7	51.1	52.8
		7/01/83 - 7/31/83	0.3	51.4	54.2
		8/01/83 - 8/31/83	2.5	53.9	54.6
		9/01/83 - 9/30/83	2.1	56.0	60.4
Mt. Rose Ski Area	8,250	5/01/83 - 5/31/83	0.9	87.8	88.4
		6/01/83 - 6/30/83	0.5	88.3	91.1
		7/01/83 - 7/31/83	0.8	89.1	91.4
		8/01/83 - 8/31/83	2.0	91.1	91.8
		9/10/83 - 9/30/83	2.0	93.1	97.7
Rubicon #2 (CA)	7,500	5/01/83 - 5/31/83	1.4	62.7	72.4
		6/01/83 - 6/30/83	0.3	63.0	73.3
		7/01/83 - 7/31/83	0.7	63.7	73.3
		8/01/83 - 8/31/83	1.9	65.6	74.3
		9/10/83 - 9/30/83	4.0	69.6	80.3
INOTEL Provisional					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/82	ACCUM. PRECIP. PREVIOUS YEAR
TAHOE-TRUCKEE (Cont.)					
Squaw Valley Gold Coast (CA)	7,800	5/01/83 - 5/31/83	7.5	84.8	121.7
		6/01/83 - 6/30/83	1.2	86.0	124.7
		7/01/83 - 7/31/83	0.7	86.7	124.9
		8/01/83 - 8/31/83	1.7	88.4	125.4
		9/01/83 - 9/30/83	3.8	92.2	133.6
Tahoe City Cross (CA)	6,750	5/01/83 - 5/31/83	1.1	51.3	66.4
		6/01/83 - 6/30/83	0.6	51.9	68.4
		7/01/83 - 7/31/83	0.3	52.2	68.7
		8/01/83 - 8/31/83	1.3	53.3	69.1
		9/01/83 - 9/30/83	1.1	54.4	73.9
Truckee #2 (CA)	6,400	5/01/83 - 5/31/83	0.9	49.4	60.0
		6/01/83 - 6/30/83	0.7	50.1	61.1
		7/01/83 - 7/31/83	0.0	50.1	61.5
		8/01/83 - 8/31/83	2.1	52.2	61.6
		9/01/83 - 9/30/83	2.1	54.3	66.0
Ward Creek #3 (CA)	6,750	5/01/83 - 5/31/83	1.6	96.9	121.1
		6/01/83 - 6/30/83	0.8	97.7	122.8
		7/01/83 - 7/31/83	0.3	98.0	122.8
		8/01/83 - 8/31/83	0.8	98.8	123.1
		9/01/83 - 9/30/83	3.4	101.4	130.2
CARSON-WALKER					
Blue Lakes (CA)	8,000	5/01/83 - 5/31/83	1.5	74.6	70.0
		6/01/83 - 6/30/83	0.5	75.1	72.1
		7/01/83 - 7/31/83	0.1	75.2	72.1
		8/01/83 - 8/31/83	1.5	76.7	72.8
		9/01/83 - 9/30/83	8.9	85.6	78.8
Ebbetts Pass (CA)	8,700	5/01/83 - 5/31/83	2.5	84.5	79.8
		6/01/83 - 6/30/83	0.2	85.7	81.3
		7/01/83 - 7/31/83	0.3	86.0	82.5
		8/01/83 - 8/31/83	1.9	87.9	83.6
		9/01/83 - 9/30/83	2.7	90.6	89.6
Kingsbury (NV) ¹	6,400				
Leavitt Meadows (CA)	7,200	5/01/83 - 5/31/83	0.2	42.8	48.7
		6/01/83 - 6/30/83	1.0	43.8	50.8
		7/01/83 - 7/31/83	0.0	43.8	51.5
		8/01/83 - 8/31/83	1.5	45.3	52.0
		9/01/83 - 9/30/83	0.8	46.1	55.4
Lobdell Lake (CA)	9,200	5/01/83 - 5/31/83	0.8	38.2	31.3
		6/01/83 - 6/30/83	0.6	38.8	35.0
		7/01/83 - 7/31/83	0.0	38.8	36.2
		8/01/83 - 8/31/83	2.5	41.3	36.8
		9/01/83 - 9/30/83	1.0	42.3	39.6
Pine Nut, Lower (NV) ¹	6,300	10/01/82 - 9/22/83	9.1	---	---
Pine Nut, Upper (NV) ¹	7,300	10/30/82 - 9/22/83	28.9	---	---
Poison Flat (CA)	7,900	5/01/83 - 5/31/83	0.6	48.0	50.3
		6/01/83 - 6/30/83	1.2	49.2	52.8
		7/01/83 - 7/31/83	0.0	49.2	53.5
		8/01/83 - 8/31/83	2.2	51.4	54.0
		9/01/83 - 9/30/83	1.5	52.9	57.7
Sonora Pass Bridge (CA)	8,800	5/01/83 - 5/31/83	1.1	56.9	57.6
		6/01/83 - 6/30/83	0.8	57.7	60.6
		7/01/83 - 7/31/83	0.0	57.7	60.8
		8/01/83 - 8/31/83	2.7	60.4	62.1
		9/01/83 - 9/30/83	1.7	62.1	66.8
1/ NEW PRECIPITATION SITES					
NOTES: Provisional					

PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/82	ACCUM. PRECIP. PREVIOUS YEAR
<u>CARSON-WALKER</u>					
Spratt Creek (CA)	6,080	5/01/83 - 5/31/83	0.2	48.3	51.0
		6/01/83 - 6/30/83	0.8	49.1	53.1
		7/01/83 - 7/31/83	0.0	49.1	54.0
		8/01/83 - 8/31/83	5.1	54.2	54.7
		9/01/83 - 9/30/83	1.7	55.9	58.9
Virginia Lakes Ridge (CA)	9,200	5/01/83 - 5/31/83	0.6	42.9	36.6
		6/01/83 - 6/30/83	0.3	43.2	28.9
		7/01/83 - 7/31/83	0.0	43.2	29.0
		8/01/83 - 8/31/83	2.6	45.8	40.2
		9/01/83 - 9/30/83	0.5	46.3	44.3
Wet Meadows #2 (CA)	8,050	5/01/83 - 5/31/83	1.0	80.4	70.7
		6/01/83 - 6/30/83	0.5	80.9	73.0
		7/01/83 - 7/31/83	0.1	81.0	73.1
		8/01/83 - 8/31/83	1.2	82.2	73.8
		9/01/83 - 9/30/83	4.1	86.3	79.6
<u>HUMBOLOT</u>					
Big Creek Summit	8,700	5/01/83 - 5/31/83	2.9	32.3	20.1
		6/01/83 - 6/30/83	1.8	34.1	21.8
		7/01/83 - 7/31/83	0.5	34.6	23.1
		8/01/83 - 8/31/83	3.2	37.8	25.2
		9/01/83 - 9/30/83	2.2	40.0	30.9
Buckskin, Lower	6,700	5/01/83 - 5/31/83	2.8	28.7	28.3
		6/01/83 - 6/30/83	3.5	32.2	30.4
		7/01/83 - 7/31/83	0.4	32.6	32.5
		8/01/83 - 8/31/83	1.1	33.7	33.0
		9/01/83 - 9/30/83	0.6	34.3	35.9
Corral Canyon	8,500	5/01/83 - 5/31/83	2.3	29.9	28.3
		6/01/83 - 6/30/83	2.4	32.2	28.9
		7/01/83 - 7/31/83	0.1	32.4	29.7
		8/01/83 - 8/31/83	4.1	36.5	30.5
		9/01/83 - 9/30/83	2.2	38.7	38.5
Dorsey Basin	8,100	5/01/83 - 5/31/83	3.1	34.4	32.0
		6/01/83 - 6/30/83	1.5	35.9	33.0
		7/01/83 - 7/31/83	0.1	36.0	34.3
		8/01/83 - 8/31/83	3.5	39.5	35.2
		9/01/83 - 9/30/83	3.2	42.7	42.7
Draw Creek	7,200	10/14/82 - 8/31/83	22.7	22.7	---
		9/01/83 - 9/30/83	1.4	24.1	---
Fry Canyon	6,700	9/27/82 - 9/27/83	31.1	31.1	36.1
Granite Peak	7,800	5/01/83 - 5/31/83	---	42.7	33.6
		6/01/83 - 6/30/83	3.0	45.7	36.0
		7/01/83 - 7/31/83	0.5	46.2	37.2
		8/01/83 - 8/31/83	1.6	47.8	37.2
		9/01/83 - 9/30/83	1.4	49.2	41.2
Green Mountain	8,000	5/01/83 - 5/31/83	4.0	33.2	30.0
		6/01/83 - 6/30/83	1.2	34.4	31.1
		7/01/83 - 7/31/83	0.1	34.5	32.5
		8/01/83 - 8/31/83	4.6	39.1	33.5
		9/01/83 - 9/30/83	0.9	40.0	40.6
Lamance Creek	6,000	5/01/83 - 5/31/83	2.2	32.3	31.7
		6/01/83 - 6/30/83	2.2	34.5	33.8
		7/01/83 - 7/31/83	1.0	35.5	35.7
		8/01/83 - 8/31/83	2.0	37.5	35.8
		9/01/83 - 9/30/83	2.2	39.7	38.5
Lamoille #3	7,700	5/01/83 - 5/31/83	2.6	29.4	30.6
		6/01/83 - 6/30/83	1.9	31.3	31.5
		7/01/83 - 7/31/83	0.6	31.7	32.0
		8/01/83 - 8/31/83	4.5	36.2	32.7
		9/01/83 - 9/30/83	2.2	38.4	43.1
NOTE: Provisional					

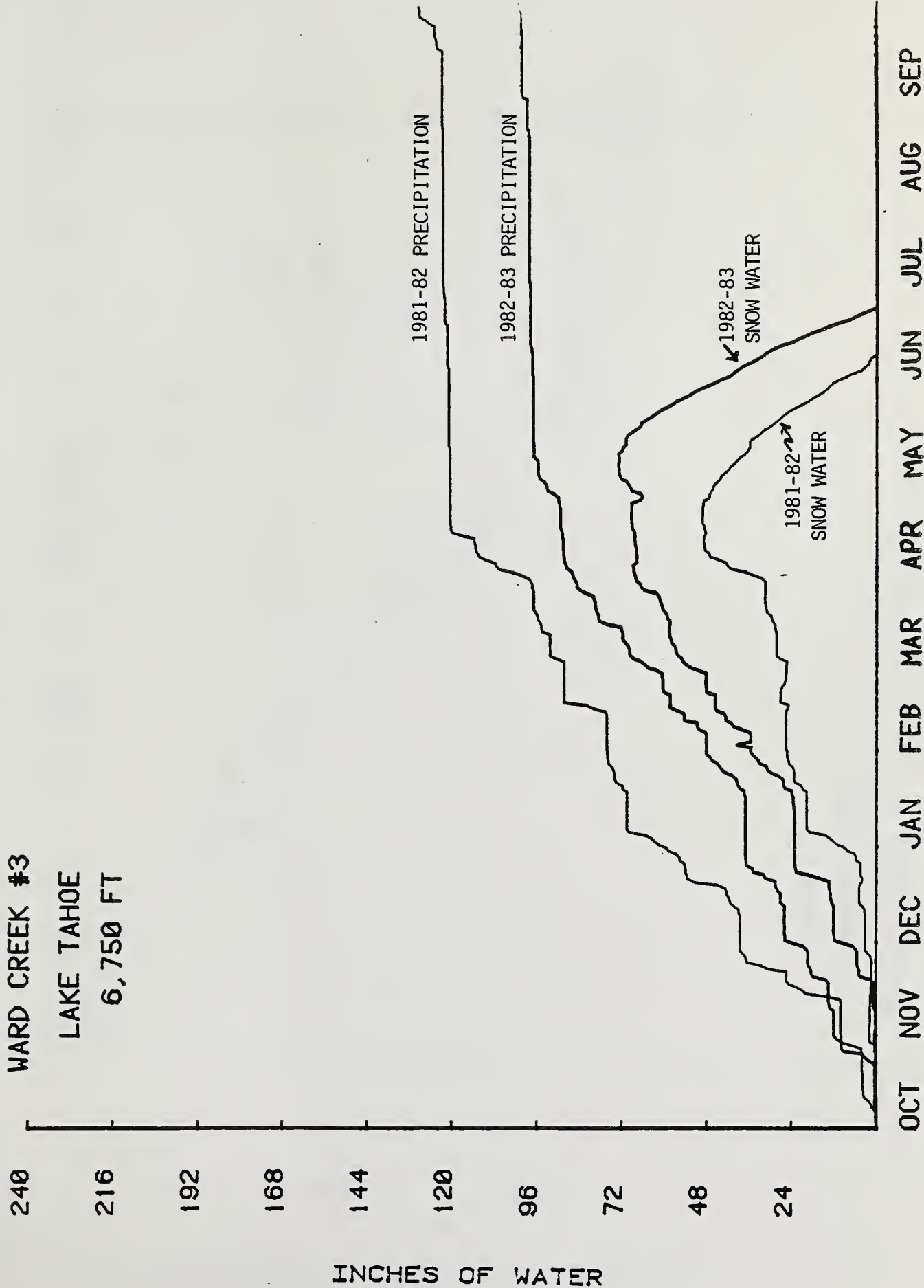
PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/82	ACCUM. PRECIP. PREVIOUS YEAR
<u>HUMBOLOT (Cont.)</u>					
Martin Creek	6,700	9/22/82 - 8/23/83	30.5	---	---
Midas	7,200	10/13/82 - 9/28/83	25.7	25.7	---
Rodeo Flat	6,800	3/29/83 - 9/27/83	11.0	26.5	33.5
Trout Creek, Lower	6,900	9/28/82 - 9/27/83	31.7	31.7	34.8
<u>SNAKE-OWYHEE</u>					
Bear Creek	7,800	5/01/83 - 5/31/83	3.9	33.2	36.8
		6/01/83 - 6/30/83	2.0	35.2	38.6
		7/01/83 - 7/31/83	0.4	35.6	40.5
		8/01/83 - 8/31/83	2.7	38.3	41.3
		9/01/83 - 9/30/83	0.8	39.1	46.9
Big Bend	6,700	5/01/83 - 5/31/83	1.3	15.9	20.4
		6/01/83 - 6/30/83	1.2	17.1	22.4
		7/01/83 - 7/31/83	0.4	17.5	24.1
		8/01/83 - 8/31/83	1.7	19.2	24.4
		9/01/83 - 9/30/83	0.6	19.8	27.6
Boies Reservoir	5,800	4/01/83 - 7/12/83	4.3	9.8	---
		7/13/83 - 9/26/83	1.5	11.3	9.0
Ford Corral ¹	6,200	9/28/82 - 7/12/83	20.2	---	---
Goat Creek	8,800	5/01/83 - 5/31/83	3.3	35.6	36.2
		6/01/83 - 6/30/83	2.5	38.1	38.1
		7/01/83 - 7/31/83	0.4	38.5	39.5
		8/01/83 - 8/31/83	1.4	39.9	40.0
		9/01/83 - 9/30/83	1.1	41.0	46.0
Jack Creek #2, Upper	7,250	5/01/83 - 5/31/83	2.6	28.5	33.0
		6/01/83 - 6/30/83	2.6	31.1	34.6
		7/01/83 - 7/31/83	0.3	31.4	36.0
		8/01/83 - 8/31/83	4.5	35.9	36.6
		9/01/83 - 9/30/83	1.4	37.3	40.1
Jacks Peak	8,420	5/01/83 - 5/31/83	3.5	42.6	43.8
		6/01/83 - 6/30/83	3.1	45.5	45.9
		7/01/83 - 7/31/83	0.1	45.6	49.1
		8/01/83 - 8/31/83	6.7	52.3	49.6
		9/01/83 - 9/30/83	2.2	54.5	54.7
Jakes Creek ¹	7,000	7/12/83 - 9/26/83	3.8	---	---
Laurel Draw	6,700	5/01/83 - 5/31/83	2.9	25.2	29.4
		6/01/83 - 6/30/83	1.8	27.0	30.1
		7/01/83 - 7/31/83	0.6	27.6	31.5
		8/01/83 - 8/31/83	2.4	30.0	32.1
		9/01/83 - 9/30/83	0.5	30.5	35.6
Pole Creek Ranger Station	8,330	5/01/83 - 5/31/83	2.7	19.4	21.7
		6/01/83 - 6/30/83	2.0	21.4	24.3
		7/01/83 - 7/31/83	0.6	22.0	25.9
		8/01/83 - 8/31/83	0.8	22.8	26.6
		9/01/83 - 9/30/83	1.9	24.7	30.8
Seventy Six Creek	7,100	5/01/83 - 5/31/83	1.7	20.0	23.4
		6/01/83 - 6/30/83	1.1	21.1	25.4
		7/01/83 - 7/31/83	0.1	21.2	27.0
		8/01/83 - 8/31/83	2.9	24.1	27.6
		9/01/83 - 9/30/83	1.0	25.1	31.0
Taylor Canyon	6,300	5/01/83 - 5/31/83	0.1e	3.3e	13.2
		6/01/83 - 6/30/83	1.1	9.4	14.6
		7/01/83 - 7/31/83	0.0	9.4	15.3
		8/01/83 - 8/31/83	0.5	9.9	15.6
		9/01/83 - 9/30/83	1.2	11.1	19.2
NEW PRECIPITATION SITES					
NOTES: PROVISIONAL					
e = ESTIMATED					

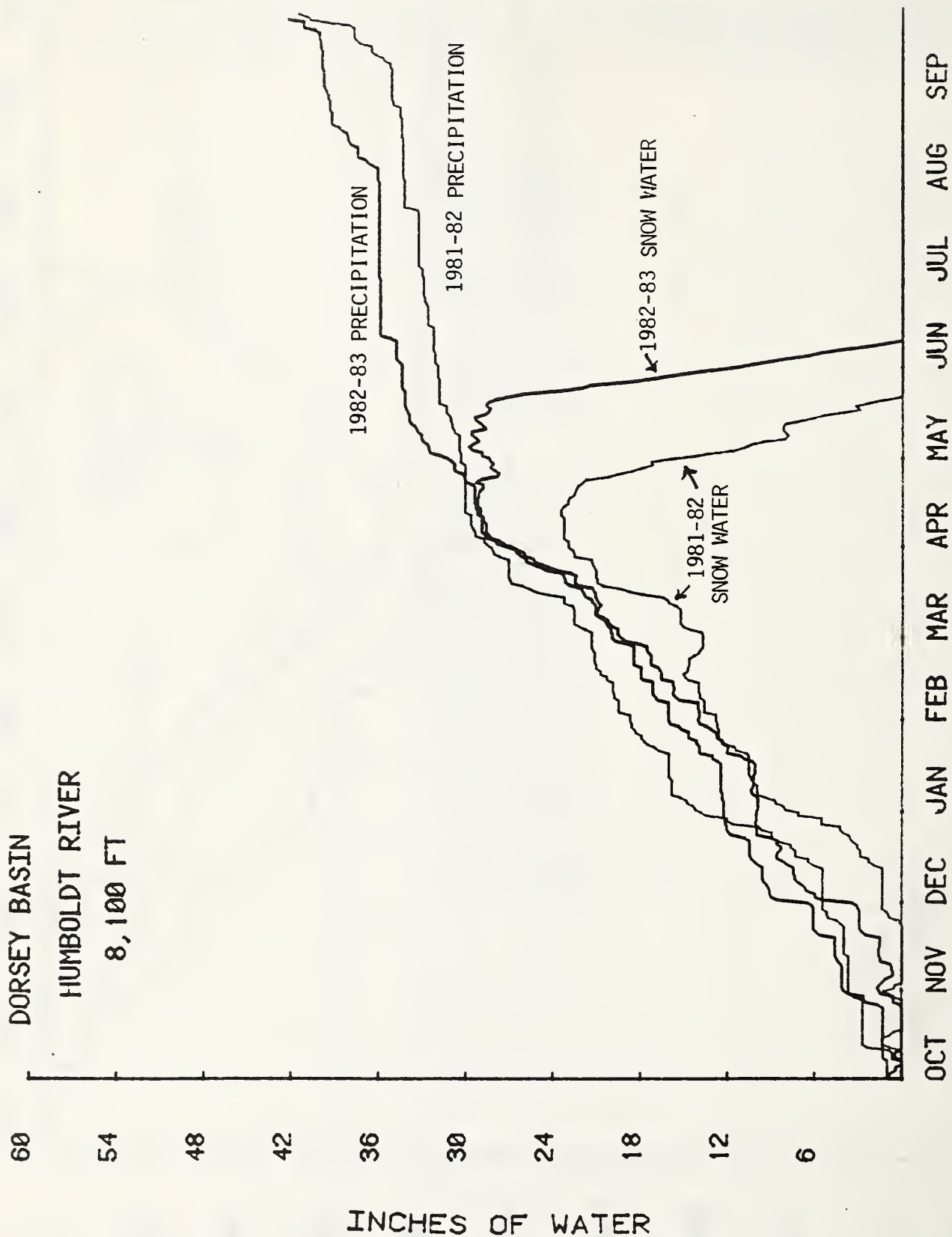
PRECIPITATION (Inches)

BASIN AND PRECIPITATION GAGE LOCATION	ELEVATION	PERIOD OF MEASUREMENT	CURRENT RECORD		PAST RECORD
			ACCUM. PRECIP. FOR THE PERIOD	ACCUM. PRECIP. SINCE 10/1/82	ACCUM. PRECIP. PREVIOUS YEAR
<u>SNAKE-OWYHEE (Cont.)</u>					
Toe Jam ¹	7,700	10/13/82 - 9/29/83	25.5	25.5	---
<u>EASTERN NEVADA</u>					
Berry Creek	9,100	5/01/83 - 5/31/83	2.9	27.2	26.9
		6/01/83 - 6/30/83	1.4	29.6	27.9
		7/01/83 - 7/31/83	0.1	29.7	30.6
		8/01/83 - 8/31/83	5.6	35.3	31.3
		9/01/83 - 9/23/83	0.6	35.9	40.3
Hole-in-Mountain	7,900	5/01/83 - 5/30/83	3.0	30.8	43.2
		6/01/83 - 6/30/83	2.9	33.7	44.2
		7/01/83 - 7/31/83	0.2	33.9	46.5
		8/01/83 - 8/31/83	2.5	36.4	47.3
		9/01/83 - 9/30/83	3.0	39.4	56.4
Ward Mountain	8,900	5/01/83 - 5/31/83	1.7	27.1	27.4
		6/01/83 - 6/30/83	1.8	28.9	27.8
		7/01/83 - 7/31/83	0.2	29.1	29.8
		8/01/83 - 8/31/83	4.7	33.8	30.9
		9/01/83 - 9/30/83	1.7	35.5	39.0
<u>NORTHERN GREAT BASIN</u>					
Cedar Pass (CA)	7,100	5/01/83 - 5/31/83	5.4	42.2	38.6
		6/01/83 - 6/30/83	2.2	44.4	41.4
		7/01/83 - 7/31/83	0.3	44.7	42.1
		8/01/83 - 8/31/83	2.2	46.9	42.5
		9/01/83 - 9/30/83	2.2	49.1	45.4
Disaster Peak	6,500	5/01/83 - 5/31/83	1.6	27.7	24.9
		6/01/83 - 6/30/83	1.9	29.6	27.0
		7/01/83 - 7/31/83	0.4	30.0	28.0
		8/01/83 - 8/31/83	1.5	31.5	28.0
		9/01/83 - 9/30/83	0.5	32.0	30.7
Dismal Swamp #2 (CA)	7,050	5/01/83 - 5/31/83	4.8	60.0	59.9
		6/01/83 - 6/30/83	2.0	62.0	64.0
		7/01/83 - 7/31/83	1.0	63.0	64.5
		8/01/83 - 8/31/83	2.1	65.1	65.4
		9/01/83 - 9/30/83	0.3	65.4	67.8
Ferguson Ranch	5,560	5/03/83 - 5/23/83	0.9	14.0	11.0
		5/24/83 - 6/29/83	0.6	14.6	11.6
		6/30/83 - 8/08/83	0.3	14.9	12.2
		8/09/83 - 8/29/83	1.2	16.1	13.7
Forty Nine Mountain	6,000	5/03/83 - 5/23/83	0.8	19.0	16.1
		5/24/83 - 6/29/83	2.0	21.0	17.3
		6/30/83 - 8/08/83	0.7	21.7	17.8
		8/09/83 - 8/29/83	1.6	23.3	18.6
Mt. Bidwell	7,240				56.8
UNTEL Provisional					

WARD CREEK #3
LAKE TAHOE
6,750 FT



DORSEY BASIN
HUMBOLDT RIVER
8,100 FT



AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester
- Oregon Cooperative Snow Surveys
- University of Nevada, Desert Research Institute
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee - Carson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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SOIL CONSERVATION SERVICE

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